CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ
BSCIC
ISO 9001 REGISTERED

Job No: CTCE/BBMP/KN/W.No.131/BC/Bitumen/2017-18 20.06.2017

TEST REPORT ON BITUMEN CONTENT OF BITUMINOUS CONCRETE MIX

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**M/s. Mahendra Engineering Works,** (Prop. G. Venkatesh), No. 243, 15th D Cross, 2nd stage, 2nd phase, West of Chord Road, Mahalakshmipuram, Bangalore – 560 086.
* Name of Work	:	Improvements and asphalting to 9th and 10th Main Bhuvaneshwari Nagara (left side and right side) 1st Main Brundavana Layout and Cross Roads in Bagalagunte Ward No. 14, Dasarahalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/DZ/AEE/TDSD/PR/95/2017-18 Dated: 06.06.2017
* Sample ID	:	Cross roads between 10th & 11th Main, Bagalagunte, Ward No.14
Technical Reference	:	IRC:SP:11-1984
Date of Testing	:	20.06.2017

BITUMEN CONTENT DETERMINATION

Description	Trail 1	Trail 2
1. Weight of Mixture before Test, g	500	500
2. Weight of Mixture after Test, g	472	472
3. Weight of Asphalt and Mineral matter Extracted, g	-	-
4. Weight of Mineral Matter, g.	-	-
5. Weight of Ash, g		
6. Weight of Bitumen Extracted, g. (corrected)	28	28.00
7. Bitumen content in %	5.60	5.60
8. Average	5.60	

*Information is furnished by the Customer/Representative.

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Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

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ಟಿ.ದಾಸರಹಳ್ಳಿ ಉಪ-ವಿಭಾಗ
ಬಾಗಲಗುಂಟೆ, ಬೆಂಗಳೂರು

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Job No: CTCE/BBMP/MEW/W.No.14/BC/Bitumen/2017-18 20.06.2017

TEST REPORT ON BITUMEN CONTENT AFTER GRADATION DETERMINATION OF BITUMINOUS CONCRETE MIX

* Customer	:	**Asst. Executive Engineer,** T. Dasarahalli Sub Division, BBMP, Bangalore.
* Agency	:	**M/s. Mahendra Engineering Works,** (Prop. G. Venkatesh), No. 243, 15th D Cross, 2nd stage, 2nd phase, West of Chord Road, Mahalakshmipuram, Bangalore – 560 086.
* Name of Work	:	Improvements and asphalting to 9th and 10th Main Bhuvaneshwari Nagara (left side and right side) 1st Main Brundavana Layout and Cross Roads in Bagalagunte Ward No. 14, Dasarahalli Sub Division, BBMP, Bangalore.
* Reference	:	BBMP/DZ/AEE/TDSD/PR/95/2017-18 Dated: 06.06.2017
* Sample ID	:	Cross roads between 10th & 11th Main, Bagalagunte, Ward No.14
Technical Reference	:	IS 2386 and IRC:SP:11-1984
Date of Testing	:	20.06.2017

GRADATION AFTER EXTRACTION

Sieve Size in mm	Trail 1				Specified Limits as per MORTH specification table 500-18 (Grading-2)
	Weight Retained, gm	% Retained	%Cummulative Retained	% Passing	
19	0	0	0	100	100
13.2	43.25	9.16	9.16	90.84	79-100
9.5	35.26	7.47	16.63	83.37	70-88
4.75	70.25	14.88	31.52	68.48	53-71
2.36	62.32	13.20	44.72	55.28	42-58
1.18	55.15	11.68	56.40	43.60	34-48
0.6	53.25	11.28	67.69	32.31	26-38
0.3	44.25	9.38	77.06	22.94	18-28
0.15	32.26	6.83	83.90	16.10	12-20
0.075	35.15	7.45	91.34	8.66	4-10

Sieve Size in mm	Trail 2				Specified Limits as per MORTH specification table 500-18 (Grading-2)
	Weight Retained, gm	% Retained	%Cummulative Retained	% Passing	
19	0	0	0	100	100
13.2	36.32	7.69	7.69	92.31	79-100
9.5	44.25	9.38	17.07	82.93	70-88
4.75	68.25	14.46	31.53	68.47	53-71
2.36	70.22	14.88	46.41	53.59	42-58
1.18	62.25	13.19	59.60	40.40	34-48
0.6	46.69	9.89	69.49	30.51	26-38
0.3	33.59	7.12	76.60	23.40	18-28
0.15	36.36	7.70	84.31	15.69	12-20
0.075	45.69	9.68	93.99	6.01	4-10

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